# CONTRACT

# SPECIAL PROVISIONS

| | |
|---|---|
| **Project No.:** | **SP-9999(652)** |
| **Name:** | **Chip Seal Coat<br>Price District** |
| **County:** | **San Juan** |
| **Bid Opening:** | **April 29, 2003**<br>**Date** |

**2002 - U.S. Standard Units (Inch-Pound Units)**

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| 6. | 02785M | Chip Seal Coat |

## I. 2002 Standard Specifications

The State of Utah Standard Specifications for Road and Bridge Construction, U.S. Standard Units (Inch Pound Units) CSI Format, Edition of 2002 with Changes One and Two included applies on this project.

## II. List of Revised Standard Specifications

### Change One – Included in 2002 Standard Specifications

Revised August 29, 2002

Section 00570 Articles 1.2 A 69, A 71 b (deleted)
Section 00727 Articles 1.1 D; 1.5 B; 1.9; 1.10; 1.16 B, C; 1.18 B
Section 01574 Articles 1.2 B
Section 02721 Articles 1.2 D (added), H (replaced), I (deleted);1.6 B1; 2.1 A Table 3; 3.2 C
Section 02741 Articles 3.8 E 2 a, b
Section 02821 Articles 3.1 A
Section 02892 Articles 1.5 A, B
Section 02936 Articles 1.4; 1.5 C
Section 03152 Articles 1.2 P, Q; 2.2 A, B
Section 05120 Articles 1.4 A (deleted), 3.3 A
Section 16525 Articles 1.6 A, B

### Change Two – Included in 2002 Standard Specifications

Revised December 19, 2002

Section 01561 Article 3.1 A
Section 02075 Article 2.7 A
Section 02372 Article 2.1 A 4
Section 02455 Article 3.3 B 2
Section 02785 Article 3.2 C
Section 02861 Article 3.3 A
Section 03055 Articles 1.2 P (inserted), 2.3 B, 2.4 (deleted), 2.7 A 1 a-e (added), 2.7 B 2 (added), 2.8 A 1 a, 2.8 A 2 (deleted), 2.9 A3, 3.2 A Table, 3.2 C, 3.7 A 3, 3.8 C 1, 3.9 A-B, 3.10, 3.11 B 1, 3.11 B 3
Section 07922 Article 2.1 Table 1

## III. Listing of Revised Standard Drawings

**Change One**

Revised December 19, 2002

| | | |
|---|---|---|
| AT 7 | Polymer Concrete Junction Box Details | 12/19/2002 |
| BA 1A | Precast Concrete Full Barrier Standard Section | 12/19/2002 |
| BA 1B | Precast Concrete Full Barrier Standard Section | 12/19/2002 |
| BA 3 | Cast In Place Constant Slope Barrier | 12/19/2002 |
| BA 4B | Beam Guardrail Installations | 12/19/2002 |
| BA 4C | Beam Guardrail Anchor Type I | 12/19/2002 |
| CC 6 | Crash Cushion Type E Sand Barrel Details | 12/19/2002 |
| DG 3 | Maximum Fill Height and End Sections for HDPE And PVC Pipes | 12/19/2002 |
| DG 4 | Pipe Culverts Minimum Cover | 12/19/2002 |
| EN 4 | Temporary Erosion Control (Drop-Inlet Barriers) | 12/19/2002 |
| GW 1 | Raised Median and Plowable End Section | 12/19/2002 |
| PV 2 | Pavement Approach Slab Details | 12/19/2002 |
| SL 13 | Traffic Counting Loop Detector Details | 12/19/2002 |
| SN 2 | Flashing School Sign | 12/19/2002 |
| SN 4 | Flashing Stop Sign | 12/19/2002 |
| SN 5 | Typical Installation For Milepost Signs | 12/19/2002 |
| SN 8 | Ground Mounted Timber Sign Post (P1) | 12/19/2002 |
| ST 1 | Object Marker “T” Intersection and Pavement Transition Guidance | 12/19/2002 |
| ST 7 | Pavement Markings and Signs at Railroad Crossings | 12/19/2002 |
| SW 3A | Precast Concrete Noise Wall 1 of 2 | 12/19/2002 |
| SW 3B | Precast Concrete Noise Wall 2 of 2 | 12/19/2002 |
| SW 4A | Precast Concrete Retaining/Noise Wall 1 of 2 | 12/19/2002 |

## IV. Materials Minimum Sampling and Testing

**Follow the requirements of the Current Materials Minimum Sampling and Testing Manual:**

**Materials Minimum Sampling and Testing Manual reference can be found from the UDOT Web Site at:**
**http://www.dot.utah.gov/esd/Manuals/Materials/MaterialsSampling.htm**

**For UDOT employees the Manual can also be found on the Shared Drive at:**
**\Shared\Engineering Services\Manuals\Materials (W drive for the Complex and R drive for the Regions)**

## V. Notice to Contractors

Delete this line and insert Notice to Contractors on next page.

# NOTICE TO CONTRACTORS

Sealed proposals will be received by the Utah Department of Transportation UDOT/DPS Building (4th Floor), 4501 South 2700 West, Salt Lake City, Utah. 84114-8220, until 2 o'clock p.m. Tuesday, April 29, 2003, and at that time the download process of bids from the USERTrust Vault to UDOT will begin, with the public opening of bids scheduled at 2:30 for CHIP SEAL COAT of PRICE DISTRICT in County, the same being identified as State Maintenance Project No: SP-9999(652).

**Federal Regulations:**
Wage Rate Non-Applicable.

**Project Location:** 19.19 Miles of Route: SEEMAP from R.P. SEE 00725M to R.P. SEE 00725M

**The principal items of work are as follows (for all items of work see attachment):**
Chip Seal Coat, Type C
Emulsified Asphalt HFMS-2
Traffic Control

**The project is to be completed:** in 10 Working Days.

**Other Requirements:**
All project bidding information, including Specifications and Plans, can be viewed, downloaded, and printed from UDOT's Project Development Construction Bid Opening Information website, http://www.dot.utah.gov/cns/bidopeninfo.htm. To bid on UDOT projects, bidders must use UDOT's Electronic Bid System (EBS). The EBS software and EBS training schedules are also available on this website.

Project information can also be reviewed at the main office in Salt Lake City, its Region offices, and its District offices in Price, Richfield, and Cedar City.

Project Plans cannot be downloaded or printed from the website unless your company is registered with UDOT. Go to UDOT's website to register. Unregistered companies may obtain the Specifications and Plans from the main office, 4501 South 2700 West, Salt Lake City, (801) 965-4346, for a fee of $35.00, plus tax and mail charge, if applicable, none of which will be refunded.

As required, a contractor's license must be obtained from the Utah Department of Commerce.

Each bidder must submit a bid bond from an approved surety company on forms provided by the Department; or in lieu thereof, cash, certified check, or cashier's check for not less than 5% of the total amount of the bid, made payable to the Utah Department of Transportation, showing evidence of good faith and a guarantee that if awarded the contract, the bidder will execute the contract and furnish the contract bonds as required.

The right to reject any or all bids is reserved.

If you need an accommodation under the Americans with Disabilities Act, contact the Construction Division at (801) 965-4346. Please allow three working days.

Additional information may be secured at the office of the Utah Department of Transportation, (801) 965-4346.

**Dated this 05th day of April, 2003.**

**UTAH DEPARTMENT OF TRANSPORTATION**
**John R. Njord, Director**

**Revised Date:**

## VI. EQUAL OPPORTUNITY (STATE PROJECTS)

## Selection of Labor:

During the performance of this contract, the Contractor shall not discriminate against labor from any other State, possession, or territory of the United States.

## Employment Practices:

During the performance of this contract, the Contractor agrees as follows:

The Contractor will not discriminate against any employee or applicant for employment because of race, religion, sex, color, national origin, age, or disability. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, national origin, age, or disability. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoffs or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provide by the State Highway Department setting forth the provisions of this nondiscrimination clause.

The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, religion, sex, color, national origin, age, or disability.

The Contractor will send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice to be provided by the State Highway Department advising the said labor union or worker' representative of the Contractors commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further State contracts.

The Contractor will include the provisions of this Section in every subcontract or purchase order so that such provision will be binding upon each Subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the State Highway Department may direct as a means of enforcing such provisions including sanctions for noncompliance.

## VII. Bidding Schedule

Delete this line and insert Bidding Schedule on next page.

# Utah Department of Transportation
# Bidder's Schedule

**Bid Opening Date:** 4/29/2003
**Project Number:** SP-9999(652)
**Project Name:** PRICE DISTRICT
**Description:** CHIP SEAL COAT
**Funding** MAINTENANCE

**Region:** REGION 4
**County**

| # | Item | Description | Quantity | Unit |
|---|---|---|---|---|
| **10 - ROADWAY** | | | | |
| 1 | 012850010 | Mobilization | 1 | lump sum |
| 2 | 015540005 | Traffic Control | 1 | lump sum |
| 3 | 027650020 | Pavement Message Paint | 22 | each |
| 4 | 027650050 | Pavement Marking Paint | 1817 | gallon |
| 5 | 027850030 | Chip Seal Coat, Type C | 330880 | square yard |
| 6 | 027850070 | Emulsified Asphalt HFMS-2 | 627 | ton |

*Note: Item numbers ending with "*" or "P" identify a change to the Standard Specification, Supplemental Specifications or Me
and payment. Read all related documents carefully.

# VIII. Measurement and Payment

# MEASUREMENT AND PAYMENT
## SP-9999(652)

**The Department will measure and pay for each bid item as detailed in this section. Payment is contingent upon acceptance by the Department.**

**Items are listed by Specification and in tables as follows:**

| Item # | Bid item number | Bid Item Name | Unit of measurement and payment |
|---|---|---|---|
| Additional information goes here. | | | |

| | | | |
|---|---|---|---|
| 1 | **012850010** | **Mobilization** | **Lump sum** |
| | **Payment** | **Amount Paid** | **When Paid** |
| | First | The lesser of 25% of Mobilization or 2.5% of contract | With first estimate |
| | Second | The lesser of 25% of Mobilization or 2.5% of contract | With estimate following completion of 5% of contract |
| | Third | The lesser of 25% of Mobilization or 2.5% of contract | With estimate following completion of 10% of contract |
| | Fourth | The lesser of 25% of Mobilization or 2.5% of contract | With estimate following completion of 20% of contract |
| | Final | Amount bid in excess of 10% of contract price. | Project Acceptance-Final |

| | | | |
|---|---|---|---|
| **2** | **015540005** | **Traffic Control** | **Lump Sum** |
| | **Payment** | **Amount Paid** | **When Paid** |
| | One | 25% of the bid item amount | With first estimate |
| | | Remaining portion of bid item paid as a percentage of the contract completed | With each estimate |

| 3 | 027650020 | Pavement Message Paint | Each |
|---|---|---|---|

**In place, measurement - Painted Pavement Messages:**

A. Letter = one message.
B. Arrow = one message.
C. Multi-headed arrow = one message per arrow.
D. School crossbars = one message per 24 inch x 10 ft bar.
E. Crosswalk = two message per lane and two messages per shoulder.
F. Stop Bar = one message per lane and one message per shoulder.
G. Railroad crossing markings = seven messages per lane.
   1. 'R' = one message each (two required).
   2. 'X' = two messages.
   3. Transverse Bar = one message each (two required).
   4. Stop Bar = one message.

**Payment:**

A. The Department will not pay for removal of unauthorized, smeared, or damaged markings.
B. Price reduction for paint application rate:

| Rate | Pay Factor |
|---|---|
| At the specified rate | 1.0 |
| 1-10 percent below the specified rate | 0.75 |
| 11-15 percent below the specified rate | 0.50 |
| More than 15 percent below the specified rate | May be accepted at 0.40 or required to be repainted. |

| 4 | 027650050 | Pavement Marking Paint | Gallon |
|---|---|---|---|

**In place, Payment:**

A. The Department will not pay for removal of unauthorized, smeared, or damaged markings.
B. Price reduction for paint application rate:

| Rate | Pay Factor |
|---|---|
| At the specified rate | 1.0 |
| 1-10 percent below the specified rate | 0.75 |
| 11-15 percent below the specified rate | 0.50 |
| More than 15 percent below the specified rate | May be accepted at 0.40 percent or required to be repainted. |

| 5 | 027850030 | Chip Seal Coat, Type C | Square yard |
|---|---|---|---|

In place. Include in this item cover material, blotter material, and flush coat. Emulsified asphalt paid separately.

| 6 | 027850070 | Emulsified Asphalt HFMS-2 | Ton |
|---|---|---|---|

# IX. PDBS Project Summary Report

# Summary Report

**Project: SP-9999(652)** **Version: 1**

**PRICE DISTRICT**

| Detail | Alt Group | Alt # | Description |
|---|---|---|---|
| **10 - ROADWAY** | 0 | 0 | |

| Item Number | Description | Qty | Unit |
|---|---|---|---|
| 012850010 | Mobilization | 1 | Lump |
| 015540005 | Traffic Control | 1 | Lump |
| 027650020 | Pavement Message Paint | 22 | Each |
| 027650050 | Pavement Marking Paint | 1,817 | gal |
| 027850030 | Chip Seal Coat, Type C | 330,880 | sq yd |
| 027850070 | Emulsified Asphalt HFMS-2 | 627 | Ton |

# X. PDBS Detailed Stationing Summaries Report

# Detailed Report

## SP-9999(652)

**Version: 1**

## PRICE DISTRICT

**10 - ROADWAY** **Alt Group: 0** **Alt #: 0**

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **012850010** | **Mobilization** | 1 | Lump |

| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 275 | 0.00 | | 3.8 | | 1.0 | |
| SR 276 | 87 | | 91.36 | | 0.0 | |
| SR 95 | 96 | | 106 | | 0.0 | |
| | | | | | 1.0 | |

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **015540005** | **Traffic Control** | 1 | Lump |

| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 275 | 0.00 | | 3.8 | | 1.0 | |
| SR 276 | 87 | | 91.36 | | 0.0 | |
| SR 95 | 96 | | 106 | | 0.0 | |
| | | | | | 1.0 | |

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **027650020** | **Pavement Message Paint** | 22 | Each |

| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 276 | 91 | | 92 | | 20.0 | Stop Ahead and Stop Bar (2 Applications) |
| SR275 | 0.00 | | 3.83 | | 2.0 | Stop Bar (2 Applications) |
| | | | | | 22.0 | |

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **027650050** | **Pavement Marking Paint** | 1,817 | gal |

| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 275 | 0.00 | | 3.83 | | 450.0 | Total Includes 2 Applications |
| SR 276 | 87 | | 91.36 | | 458.0 | Total Includes 2 Applications |
| SR 95 | 96 | | 106 | | 909.0 | Total Includes 2 Applications |
| | | | | | 1,817.0 | |

| Note # | Note |
|---|---|
| 1 | Assumed 2 applications at application rate of 300 ft per gal. |

# Detailed Report

**SP-9999(652)** **Version: 1**

**PRICE DISTRICT**

**10 - ROADWAY** **Alt Group: 0** **Alt #: 0**

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **027850030** | **Chip Seal Coat, Type C** | 330,880 | sq yd |

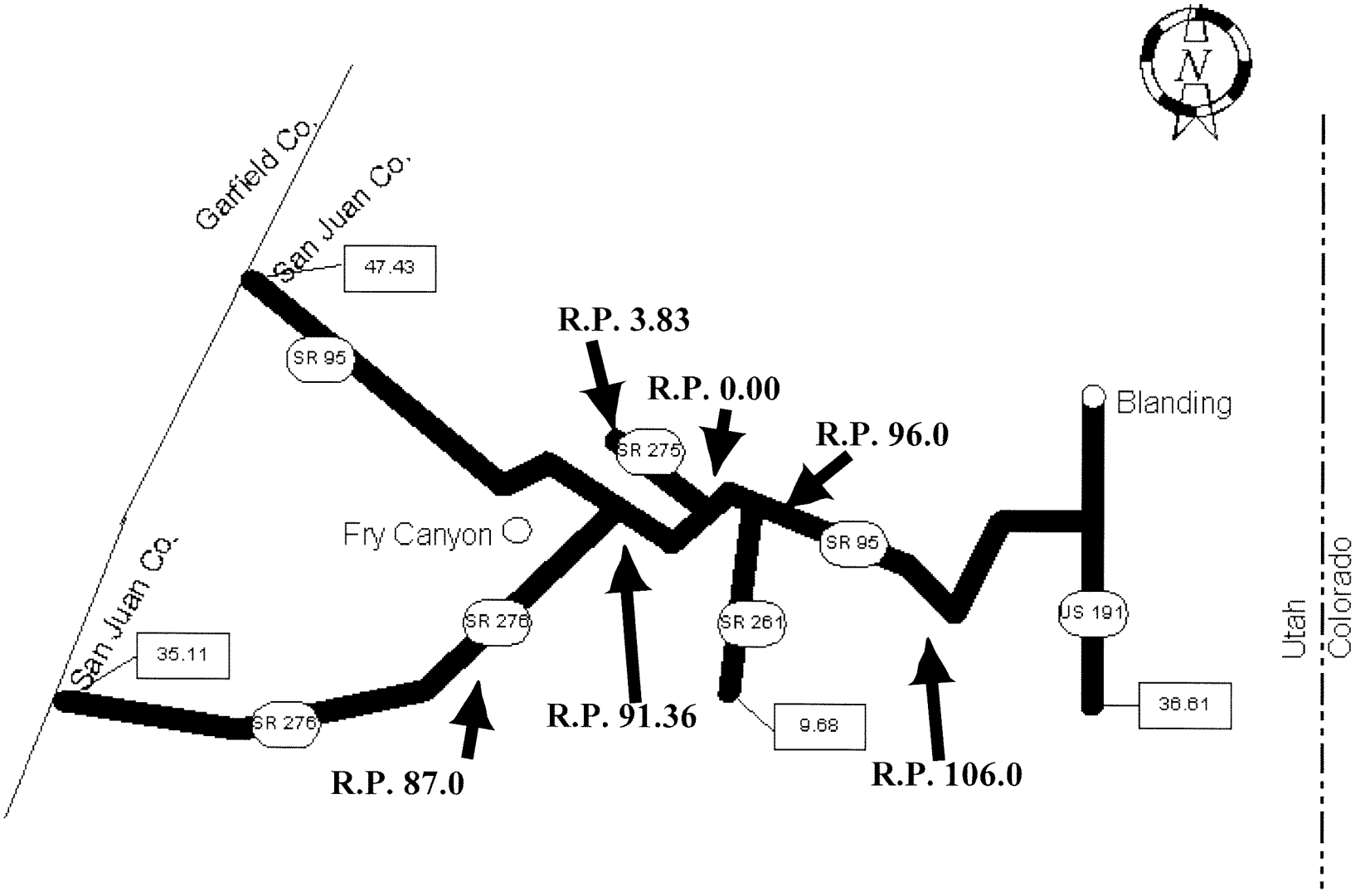
| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 275 | 0.00 | | 3.8 | | 54,208.0 | |
| SR 276 | 87 | | 91.36 | | 73,920.0 | |
| SR 95 | 96 | | 106 | | 202,752.0 | |
| | | | | | 330,880.0 | |

| Item Number | Description | Use Qty | Unit |
|---|---|---|---|
| **027850070** | **Emulsified Asphalt HFMS-2** | 627 | Ton |

| Line/Sheet | From Station | From Offset | To Station | To Offset | Qty | Comment |
|---|---|---|---|---|---|---|
| SR 275 | 0.00 | | 3.83 | | 103.0 | |
| SR 276 | 87 | | 91.36 | | 140.0 | |
| SR 95 | 96 | | 106 | | 384.0 | |
| | | | | | 627.0 | |

| Note # | Note |
|---|---|
| 1 | Assumed Application Rate 0.45 gal/ Sq yd |
| 2 | Assumed 8.42 lbs per gal<br>Assumed 237.5 gal/ton |

## XI. Location Map


Garfield Co.
San Juan Co.
47.43
SR 95
R.P. 3.83
R.P. 0.00
R.P. 96.0
SR 275
Fry Canyon
Blanding
SR 95
San Juan Co.
35.11
SR 276
SR 276
SR 261
US 191
R.P. 91.36
9.68
36.61
R.P. 87.0
R.P. 106.0
Utah
Colorado

# XIII. STANDARD DRAWINGS INDEX

(Change One, Dated 02/19/03)

UTAH DEPARTMENT OF TRANSPORTATION

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | | **Advanced Traffic Management System (AT)** | |
| | AT 1 | Legend Sheet | 07/03/02 |
| | AT 2 | Ramp Meter Details | 07/03/02 |
| | AT 3 | Ramp Meter Sign Panel | 07/03/02 |
| | AT 4 | Typical Ramp Meter Signal Head Mounting | 07/03/02 |
| | AT 5 | Loop Installation | 07/03/02 |
| | AT 6 | Conduit Details | 07/03/02 |
| | AT 7 | Polymer-Concrete Junction Box Details | 12/19/02 |
| | AT 8 | ATMS Cabinet w/120V Disconnect | 07/03/02 |
| | AT 9 | ATMS Cab With Stepdown Transformer | 07/03/02 |
| | AT 10 | Domed CCTV Details | 07/03/02 |
| | AT 11 | CCTV Pole Detail | 07/03/02 |
| | AT 12 | CCTV Pole Foundation For Dedicated CCTV Pole | 07/03/02 |
| | AT 13 | 120V VMS Cab Foundation Details | 07/03/02 |
| | AT 14 | Weigh In Motion Piezo Detail | 07/03/02 |
| | | **Barriers (BA)** | |
| | BA 1A | Precast Concrete Full Barrier Standard Section | 12/19/02 |
| | BA 1B | Precast Concrete Full Barrier Standard Section | 12/19/02 |
| | BA 2 | Precast Concrete Half Barrier Standard Section | 07/03/02 |
| | BA 3 | Cast In Place Constant Slope Barrier | 12/19/02 |
| | BA 4 | Beam Guardrail Hardware | 07/03/02 |
| | BA 4A | Guardrail Transition | 07/03/02 |
| | BA 4B | Beam Guardrail Installation | 12/19/02 |
| | BA 4C | Beam Guardrail Anchor Type I | 12/19/02 |
| | BA 5 | Traffic Control Cable | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | | **Catch Basins and Cleanouts (CB)** | |
| | CB 1 | Standard Catch Basin | 07/03/02 |
| | CB 2 | Curb Inlet Catch Basin | 07/03/02 |
| | CB 3 | Standard Transition Concrete Lined Ditch To Pipe Or Diversion Box | 07/03/02 |
| | CB 4 | Solid Cover For Standard Drawing DB 1 MS-18 Loading | 07/03/02 |
| | CB 5 | Standard Screw Gate And Frame | 07/03/02 |
| | CB 6A | Standard Drop Inlet Details General Notes And Installation Detail | 07/03/02 |
| | CB 6B | Standard Catch Basin And Cleanout Box Drop Inlet Type "A" Details | 07/03/02 |
| | CB 6C | Standard Catch Basin And Cleanout Box Drop Inlet Type "B" Details | 07/03/02 |
| | CB 6D | Standard Catch Basin And Cleanout Box Drop Inlet Type "C" Details | 07/03/02 |
| | CB 6E | Standard Catch Basin And Cleanout Box Drop Inlet With Attached Apron Details | 07/03/02 |
| | CB 6F | Standard Catch Basin And Cleanout Box Drop Inlet With Attached Apron Details | 07/03/02 |
| | CB 6G | Standard Catch Basin And Cleanout Box Drop Inlet Type "D" Details | 07/03/02 |
| | CB 6H | Standard Catch Basin And Cleanout Box Drop Inlet Type "D" Tables | 07/03/02 |
| | CB 7 | Standard Curb And Gutter Drop Inlet | 07/03/02 |
| | CB 8A | Double Catch Basin | 07/03/02 |
| | CB 8B | Double Catch Basin | 07/03/02 |
| | CB 9A | Standard Catch Basin and Cleanout Box Situation & Layout | 07/03/02 |
| | CB 9B | Standard Catch Basin and Cleanout Box Section Details | 07/03/02 |
| | CB 9C | Standard Catch Basin and Cleanout Box Schedule Of Installation 18" to 42" RCP 12" to 48" CMP | 07/03/02 |
| | CB 9D | Standard Catch Basin and Cleanout Box Schedule Of Installation 48" to 66" RCP 60" to 78" CMP | 07/03/02 |
| | CB 10A | Standard Catch Basin and Cleanout Box Situation & Layout | 07/03/02 |
| | CB 10B | Standard Catch Basin and Cleanout Box Section Details | 07/03/02 |
| | CB 10C | Standard Catch Basin and Cleanout Box Schedule Of Installation 42" to 60" RCP 48" to 72" CMP | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | | **Crash Cushions (CC)** | |
| | CC 1 | Crash Cushion Markings | 07/03/02 |
| | CC 2 | Crash Cushion Drainage Details Guideline A | 07/03/02 |
| | CC 3 | Crash Cushion Drainage Details Guideline B | 07/03/02 |
| | CC 4 | Details For Placement Crash Cushions Type A, B, & D | 07/03/02 |
| | CC 5 | Grading And Placement Detail Crash Cushion Type C | 07/03/02 |
| | CC 6 | Crash Cushion Type E Sand Barrel Details | 12/19/02 |
| | CC 7 | Grading & Installation Details Crash Cushion Type F, Type G | 07/03/02 |
| | CC 8 | Grading & Installation Detail Crash Cushion Type H | 07/03/02 |
| | | **Diversion Boxes (DB)** | |
| | DB 1A | Standard Diversion Box/Cover Plate/Grating For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 1B | Standard Diversion Box Hinged Lid Details For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 1C | Standard Diversion Box Bicycle - Safe Grating Details For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 1D | Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 1E | Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 1F | Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe | 07/03/02 |
| | DB 2A | Standard Diversion Box w/Interchangeable Walls, Bottom Slab, Walls and Apron Detail | 07/03/02 |
| | DB 2B | Standard Diversion Box w/Interchangeable Walls, Quantities Schedule | 07/03/02 |
| | DB 2C | Standard Diversion Box w/Interchangeable Walls, Hand Slide Gate Details | 07/03/02 |
| | DB 2D | Standard Diversion Box Type "G" Hand Slide Details | 07/03/02 |
| | DB 2E | Standard Diversion Box Hinged Lid (Solid Cover Plate) Type "A" Details Type I Plan | 07/03/02 |
| | DB 2F | Standard Diversion Box Hinged Lid (Solid Cover Plate) Type "A" Details Type II Plan | 07/03/02 |
| | DB 2G | Standard Diversion Box Hinged Lid Solid Cover Type "B" Details | 07/03/02 |
| | DB 2H | Standard Diversion Box Hinged Lid Solid Cover Type "B" & "C" Details | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | DB 3A | Standard Diversion Box With Manhole Cover Situation And Layout | 07/03/02 |
| | DB 3B | Standard Diversion Box With Manhole Cover Up To 42" RCP and Up To 54" CMP | 07/03/02 |
| | DB 3C | Standard Diversion Box With Manhole Cover 48" - 72" RCP and 60" to 84" CMP | 07/03/02 |
| | | **Drainage (DG)** | |
| | DG 1 | Fill Height for Metal Pipe (Steel) | 07/03/02 |
| | DG 2 | Fill Height for Metal Pipe (Aluminum) | 07/03/02 |
| | DG 3 | Maximum Fill Height and End Sections For HDPE and PVC Pipes | 12/19/02 |
| | DG 4 | Pipe Culverts Minimum Cover | 12/19/02 |
| | DG 5 | Plastic Pipe, Metal Pipe or Pipe Arch Culvert Bedding | 07/03/02 |
| | DG 6 | Precast Concrete Pipe Culvert | 07/03/02 |
| | DG 7 | Gasketted Joints or Coupling Bands for C.M.P. | 07/03/02 |
| | DG 8 | Metal Culvert End Sections | 07/03/02 |
| | DG 9 | Miscellaneous Pipe Details | 07/03/02 |
| | | **Environmental Controls (EN)** | |
| | EN 1 | Temporary Erosion Control (Check Dams) | 07/03/02 |
| | EN 2 | Temporary Erosion Control (Silt Fence) | 07/03/02 |
| | EN 3 | Temporary Erosion Control (Slope Drain and Temporary Berm) | 07/03/02 |
| | EN 4 | Temporary Erosion Control (Drop Inlet Barriers) | 12/19/02 |
| | EN 5 | Temporary Erosion Control (Sediment Basin) | 07/03/02 |
| | | **Fence and Gates (FG)** | |
| | FG 1A | Right-of-Way Fence and Gates (Wood Posts) | 07/03/02 |
| | FG 1B | Right-of-Way Fence and Gates (Wood Posts) | 07/03/02 |
| | FG 2A | Right-of-Way Fence and Gates (Metal Posts) | 07/03/02 |
| | FG 2B | Right-of-Way Fence and Gates (Metal Posts) | 07/03/02 |
| | FG 3 | Swing Gates Type I for Gates Less Than 17' | 07/03/02 |
| | FG 4 | Deer Gates | 07/03/02 |
| | FG 5 | Swing Gates Type II for Gates Wider Than 17' | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | FG 6 | Chain Link Fence | 07/03/02 |
| | | **Grates, Frames, and Trash Racks (GF)** | |
| | GF 1 | Manhole Frame And Grated Cover | 07/03/02 |
| | GF 2 | Manhole Frame And Solid Cover | 07/03/02 |
| | GF 3 | Rectangle Grate & Frame | 07/03/02 |
| | GF 4 | Directional Flow Grate & Frame | 07/03/02 |
| | GF 5 | Solid Cover & Frame | 07/03/02 |
| | GF 6 | Manhole Steps | 07/03/02 |
| | GF 7 | Standard Screw Grate & Frame | 07/03/02 |
| | GF 8 | 2' x 2' Grate & Frame | 07/03/02 |
| | GF 9 | 28" x 24" Directional Flow and Frame | 07/03/02 |
| | GF 10 | Standard Trash Racks 90E X-ing L | 07/03/02 |
| | GF 11 | Standard Trash Racks | 07/03/02 |
| | GF 12 | Standard Trash Racks | 07/03/02 |
| | | **General Road Work (GW)** | |
| | GW 1 | Raised Median and Plowable End Section | 12/19/02 |
| | GW 2 | Concrete Curb and Gutter | 07/03/02 |
| | GW 3 | Concrete Curb and Gutter Details | 07/03/02 |
| | GW 4 | Concrete Driveways and Sidewalks | 07/03/02 |
| | GW 5 | Pedestrian Access | 07/03/02 |
| | GW 6 | Right-of-Way Marker | 07/03/02 |
| | GW 7 | Newspaper and Mailbox Stop Layout | 07/03/02 |
| | GW 8 | Newspaper and Mailbox Support Hardware | 07/03/02 |
| | GW 9 | Delineation Hardware | 07/03/02 |
| | GW 10 | Delineation Application | 07/03/02 |
| | | **Paving (PV)** | |
| | PV 1 | Joints for Highways with Concrete Traffic Lanes and Shoulders | 07/03/02 |
| | PV 2 | Pavement/Approach Slab Details | 12/19/02 |
| | PV 3 | Concrete Pavement Details for Urban and Interstate | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | PV 4 | Concrete Pavement Details for Urban and Interstate | 07/03/02 |
| | PV 5 | Urban Concrete Pavement Details | 07/03/02 |
| | PV 6 | Rumble Strips | 07/03/02 |
| | PV 7 | Rumble Strips - Typical Application | 07/03/02 |
| | | **Signals (SL)** | |
| | SL 1 | Traffic Signals Mast Arm Pole and Luminaire Extension | 07/03/02 |
| | SL 2 | Traffic Signals Mast Arm Detail 25' Thru 65' | 07/03/02 |
| | SL 3 | Underground Service Pedestal Details | 07/03/02 |
| | SL 4 | Traffic Signals Mast Arm Pole Foundation | 07/03/02 |
| | SL 5 | Breakaway Post Mounted Traffic Signal Pole | 07/03/02 |
| | SL 6 | Power Source Details | 07/03/02 |
| | SL 7 | Span Wire Signal Pole Detail | 07/03/02 |
| | SL 8 | Signal Head Details | 07/03/02 |
| | SL 9 | Pedestrian Signal Assembly | 07/03/02 |
| | SL 10 | Controller Base Details | 07/03/02 |
| | SL 11 | Traffic Signals Loop Detector Detail | 07/03/02 |
| | SL 12 | Junction Box Details | 07/03/02 |
| | SL 13 | Traffic Counting Loop Detector Detail | 12/19/02 |
| | SL 14 | Light Pole Breakaway Base | 07/03/02 |
| | SL 15 | Luminaire Breakaway Base Detail | 07/03/02 |
| | SL 16 | Single Transformer Substation Details | 07/03/02 |
| | SL 17 | Light Pole Anchor Base | 07/03/02 |
| | SL 18 | Light Pole Foundation Extension | 07/03/02 |
| | | **Signs (SN)** | |
| | SN 1 | Bridge Load Limit Signs | 07/03/02 |
| | SN 2 | Flashing School Sign | 12/19/02 |
| | SN 3 | Overhead School Flasher | 07/03/02 |
| | SN 4 | Flashing Stop Sign | 12/19/02 |
| | SN 5 | Typical Installation for Milepost Signs | 12/19/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| | SN 6 | Not Used | |
| | SN 7 | Placement of Ground Mounted Signs | 07/03/02 |
| | SN 8 | Ground Mounted Timber Sign Post (P1) | 12/19/02 |
| | SN 9 | Ground Mounted Tubular Steel Sign Post (P2) | 07/03/02 |
| | SN 10 | Ground Mounted Square Steel Sign Post (P3) | 07/03/02 |
| | SN 11 | Slipbase Ground Mounted Tubular Steel Sign Post (P4) | 07/03/02 |
| | SN 12A | Ground Mounted Sign Installation Details | 07/03/02 |
| | SN 12B | Ground Mounted Sign Installation Details | 07/03/02 |
| | SN 12C | Ground Mounted Sign Installation Details | 07/03/02 |
| | | | |
| | | **Striping (ST)** | |
| | ST 1 | Object Markers "T" Intersection & Pavement Transition Guidance | 12/19/02 |
| | ST 2 | Freeway Turn Around Markings | 07/03/02 |
| | ST 3 | Typical Pavement Markings | 07/03/02 |
| | ST 4 | Crosswalks, Parking and Intersection Approaches | 07/03/02 |
| | ST 5 | Painted Median & Auxiliary Lane Details | 07/03/02 |
| | ST 6 | Passing/Climbing Lanes Traffic Control | 07/03/02 |
| | ST 7 | Pavement Markings & Signs at Railroad Crossing | 12/19/02 |
| | ST 8 | Plowable Pavement Markers | 07/03/02 |
| | | **Structures and Walls (SW)** | |
| | SW 1A | Welded End Guard Unit | 07/03/02 |
| | SW 1B | Precast Concrete Cattle Guard | 07/03/02 |
| | SW 2 | Noise Wall Placement Area | 07/03/02 |
| | SW 3A | Precast Concrete Noise Wall 1 of 2 | 12/19/02 |
| | SW 3B | Precast Concrete Noise Wall 2 of 2 | 12/19/02 |
| | SW 4A | Precast Concrete Retaining/Noise Wall 1 of 2 | 12/19/02 |
| | SW 4B | Precast Concrete Retaining/Noise Wall 2 of 2 | 07/03/02 |
| | | **Traffic Control (TC)** | |
| X | TC 1A | Construction Zone Channelization Devices | 07/03/02 |

| U | NUMBER | TITLE | CURRENT DATE |
|---|---|---|---|
| X | TC 1B | Construction Zone Signing | 07/03/02 |
| X | TC 2A | Traffic Control General | 07/03/02 |
| X | TC 2B | Traffic Control General | 07/03/02 |
| X | TC 3 | Traffic Control Project Limit Signing | 07/03/02 |
| X | TC 4 | Traffic Control Urban Intersections With Roadways Under 50 MPH | 07/03/02 |
| X | TC 5 | Traffic Control Urban Intersections With Roadways Under 50 MPH | 07/03/02 |
| X | TC 6 | Traffic Control Pedestrian Routing | 07/03/02 |
| X | TC 7 | Traffic Control Road Closed, Detour | 07/03/02 |
| X | TC 8 | Traffic Control Lane Closure | 07/03/02 |
| X | TC 9 | Traffic Control Multilane Closure | 07/03/02 |
| | TC 10 | Traffic Control Expressway And Freeway Crossover/Turn-Around | 07/03/02 |
| | TC 11 | Traffic Control Exit Ramp Gore | 07/03/02 |
| | TC 12 | Traffic Control Entrance Ramp Gore | 07/03/02 |
| X | TC 13 | Traffic Control Shoulder-Haul Road | 07/03/02 |
| X | TC 14 | Traffic Control Flagging Operation | 07/03/02 |
| X | TC 15 | Traffic Control 2 Lane/ 2 Way Seal Coat With Cover Material | 07/03/02 |
| X | TC 16 | Traffic Control Pavement Marking | 07/03/02 |

# XIV. Special Provisions

02/04/03

**SPECIAL PROVISION**
**SP-9999(652)**

**SECTION 00555 M**

# PROSECUTION AND PROGRESS

Add the following to line A paragraph 1.12, Limitation of Operations:

3. Limit lane closures to a maximum total length of 5.0 miles.

4. Shorten lengths of lane closures, if necessary, to allow for complete learning of traffic queues for each cycle of flagging and/or pilot car operations. Do not hold the first vehicle in each queue for more than 20 minutes.

5. Clean up and remove all waste material daily.

Delete line B article 1.12, Limitation of Operations and replace with the following:

B. Saturdays, Sundays, holidays or holiday weekends (holiday weekend is defined as a Friday, Saturday and Sunday in consecutive sequence with a holiday): Perform no work without written approval except repair or servicing of equipment, protection of work, maintenance or curing of concrete, or maintenance of traffic.

Add to article 1.12, Limitation of Operations:

C. Provide the Region Four Public Involvement Coordinator with two (2) weeks notice of beginning and ending construction.
Phone: (435)893-4702
FAX: (435)896-6458

Add to article 1.15, "Determining Contract Time":

C Complete the project in 10 working days:

1. Time charges start when work begins on the project or on May 19, 2003, whichever occurs first.

01/14/03

**SPECIAL PROVISION**

**# SP-9999(652)**

**SECTION 00725 M**

# SCOPE OF WORK

**(Add the following to section 00725)**

## 1.23 GENERAL INFORMATION

**A:** This project includes a Chip Seal Coat on SR-95 R.P. 96.0 to R.P. 106.0, SR-275 R.P.0.0 to R.P. 3.83, and SR-276 R.P. 87.0 to R.P. 91.36.

**B:** The Utah Department of Transportation reserves the right to cancel all or portions of this contract, based on budgetary conditions and available funds.

**C:** 2 applications of Pavement Marking Paint will be required. The first application will be applied the same day as the Flush Coat and the second as directed by the Engineer.

01/14/03

**SPECIAL PROVISION**

**# SP-9999(652)**

**SECTION 01554 M**

# Traffic Control

**(Add the following to section 2.2)**

## 2.2 Flagger Equipment and Clothing

D. Flaggers will be required to have radio contact with each other to communicate emergency vehicle access through project at all times.

August 12, 2002

**SPECIAL PROVISION**
**Project No. SP-9999(652)**

**SECTION 02742 S**

# PROJECT SPECIFIC SURFACING REQUIREMENTS

## PART 1 GENERAL

### 1.1 SECTION INCLUDES

A. Required PG Asphalt or emulsion.

B. Number of gyrations to use for Superpave Mix Design.

## PART 2 PRODUCTS

### 2.1 MIXES

A. Hot Mix Asphalt (HMA): ( Refer to bid item for size)

1. PG _____ Asphalt.

2. $N_{initial}$ _____ $N_{design}$_____ $N_{final}$_____

B. Open-Graded Surface Course:

1. PG _____ Asphalt.

C. Chip Seal

1. Type of asphalt emulsion _HFMS-2_____

## PART 3 EXECUTION Not used.

END OF SECTION

February 6, 2003

**SPECIAL PROVISION**
**SP-9999(652)**

**SECTION 02745M**

# ASPHALT MATERIAL

Delete Tables 2, 4, and 5 and replace with the following:

**Table 2**

| **Latex Modified Cationic Rapid Setting Emulsified Asphalt (LMCRS-2)** | | | |
|---|---|---|---|
| **Tests** | **AASHTO Test Method** | **Min.** | **Max.** |
| **Emulsion** | | | |
| Viscosity, SFS, 122 EF (50 EC), Sec | T59 | 75 | 300 |
| Settlement (a) 5 days, percent | T 59 | | 5 |
| Storage Stability Test (b) 1 d, 24 h, percent | T 59 | | 1 |
| Demulsibility (c) 35 ml, 0.8% sodium dioctyl Sulfosucinate, percent | T 59 | 40 | |
| Particle Charge Test | T 59 | Positive | |
| Sieve Test, percent | T 59 | | 0.3 |
| **Distillation** | | | |
| Oil distillate, by vol of emulsion, percent | | | 0 |
| Residue (d), percent | | 65 | |
| **Residue from Distillation Test** | | | |
| Penetration, 77EF (25EC), 100 g, 5 s, dmm | T 49 | 40 | 200 |
| Torsional Recovery, (e) | | 18 | |
| (a) The test requirement for settlement may be waived when the emulsified asphalt is used in less than a five-day time; or the purchaser may require that the settlement test be run from the time the sample is received until it is used, if the elapsed time is less than 5 days.<br>(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.<br>(c) Make the demulsibility test within 30 days from date of shipment.<br>(d) Determine distillation by AASHTO T 59,with modifications to include a 350 ± 5 EF (177±3EC) maximum temperature to be held for 15 minutes.<br>(e) CA 332 (California Test Method).<br><br>Co-mill latex and asphalt during the emulsification process. | | | |

**Table 4**

| High Float Medium Setting Emulsified Polymerized Asphalt (HFMS-2P) (a) | | | |
|---|---|---|---|
| **Tests** | **AASHTO Test method** | **Min.** | **Max.** |
| **Emulsion** | | | |
| Viscosity , SSF ,122EF(50EC), sec (Project Site Acceptance/Rejection Limits) | T 59 | 100 | 450 |
| Storage Stability Test (a) 1 d, 24 h, percent | T 59 | | 0.1 |
| Sieve Test, percent | T 59 | | 0.1 |
| **Distillation** | | | |
| Oil distillate, by vol of emulsion, percent | T 59 | 1 | 7 |
| Residue (c), percent | T 59 | 65 | |
| **Residue from Distillation Test** | | | |
| Penetration, 77EF(25EC), 100 g, 5 s, dmm | T 49 | 70 | 300 |
| Float Test, 140EF(60EC), sec | T 50 | 1200 | 300 |
| Solubility in trichloroethylene, percent | T 44 | 97.5 | |
| Elastic Recovery, 77EF(25EC), percent | T 301 | 50 | |

(a) Supply an HFMS-2SP (anionic, polymerized, high-float) as an emulsified blend of polymerized asphalt cement, water, and emulsifiers. Polymerize the asphalt cement with a minimum of 3.0% polymer by weight of the asphalt cement prior to emulsification. After standing undisturbed for a minimum of 24 hours, the emulsion shall be smooth and homogeneous throughout with no white, milky separation, pumpable, and suitable for application through a distributor.
(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.
(c) Determine the distillation by AASHTO T 59, with modifications to include a 350 ± 5 EF (177±3EC) maximum temperature to be held for 15 minutes.

**Table 5**

| High Float Rapid Setting Emulsified Polymerized Asphalt (HFRS-2P) (a) | | | |
|---|---|---|---|
| **Tests** | **AASHTO Test method** | **Min.** | **Max.** |
| **Emulsion** | | | |
| Viscosity, SFS @ 122EF(50EC), sec (Project Site Acceptance/Rejection Limits) | T 59 | 100 | 450 |
| Storage Stability Test (a) 1 d, 24 h, percent | T 59 | | 1 |
| Demulsibility (b) 0.02 N Ca $Cl_2$, percent | T 59 | 40 | |
| Sieve Test, percent | T 59 | | 0.1 |
| **Distillation** | | | |
| Oil distillate, by vol of emulsion, percent | T 59 | | 3 |
| Residue (c), percent | T 59 | 65 | |
| **Residue from Distillation Test** | | | |
| Penetration, 77EF(25EC), 100 g, 5 s, dmm | T 49 | 70 | 150 |
| Float Test, 140EF(60EC), sec | T 50 | 1200 | |
| Solubility in trichloroethylene, percent | T 44 | 97.5 | |
| Elastic Recovery, 77EF(25EC), percent | T 301 | 58 | |

(a) Supply an HFMS-2SP (anionic, polymerized, high-float) as an emulsified blend of polymerized asphalt cement, water, and emulsifiers. Polymerize the asphalt cement with a minimum of 3.0% polymer by weight of the asphalt cement prior to emulsification. After standing undisturbed for a minimum of 24 hours, the emulsion shall be smooth and homogeneous throughout with no white, milky separation, pumpable, and suitable for application through a distributor.
(b) May use the 24-hour (1-day) storage stability test instead of the five-day settlement test.
(c) Determine the distillation by AASHTO T 59, with modifications to include a 350 ± 5 EF (177±3EC) maximum temperature to be held for 15 minutes.

**SPECIAL PROVISION**
**SP-9999(652)**

**SECTION 02785M**

# CHIP SEAL COAT

**Delete Articles 3.2 and 3.5 and replace with the following:**

## 3.2 LIMITATIONS

A. Complete all work, excluding bituminous flush coat, between May 15 and August 31.

B. Provide a minimum of 0.5 lbs/yd$^2$ blotter material meeting the requirements of Section 02748 and application equipment at the project site prior to beginning seal coat work. Application equipment is subject to inspection and approval by the Engineer

C. Do not place any chip seal coat if the Engineer determines that excess moisture is present in the pavement structure.

D. Place seal coat when:
   1. Pavement temperature is between 80 degrees F and 136 degrees F.
   2. Air temperature is 70 degrees F and rising in the shade.

E. Complete all chip seal operations, including sweeping, during daylight hours.

F. On interstate routes, do not open to traffic the same day chip seal coat is placed.
   1. Sweep and open to traffic no earlier than 14 hours after placing cover material.

G. Apply bituminous flush coat material no earlier than 14 days after the application of the cover material, or as directed by the Engineer.
   1. Apply bituminous flush coat material when the air temperature in the shade is 50 degrees F and rising.
   2. Do not apply bituminous flush coat material during fog, rain, or other adverse conditions.

## 3.5 ASPHALT MATERIAL /COVER MATERIAL APPLICATION

A. Use a distributor equipped with a hydrostatic system capable of maintaining a tolerance of ± 0.03 gal/yd$^2$.
   1. Spray the application at a rate sufficient to obtain 50 percent chip embedment before the rolling operation.
   2. Application rates may vary throughout the project depending on existing conditions.
   3. Equipment is subject to inspection and approval by the Engineer.

B. Apply the asphalt emulsion at a minimum temperature of 145 degrees F.

C. Place building paper adjacent to the transverse construction joint prior to starting each spraying operation. Maintain the control valve to act instantaneously, both in start-up and cut-off.

D. Locate longitudinal joints within 6 inches of the traffic lane line location. Construct the meet lines with no skips or voids between adjacent passes. Avoid a double thickness of cover material.

E. Spread the cover material maintaining a tolerance of ± 1.0 lb/yd$^2$.
   1. Equipment is subject to inspection and approval by the Engineer.

F. Calibrate the spreader at the beginning of each day and as often as required.

**Approximate Spread Rates**

| **Unit Weight lbs/ft$^3$** | **Application Rate lbs/yd$^2$** |
|---|---|
| 60 - 65 | 17.0 |
| 65 - 70 | 18.4 |
| 70 -75 | 19.8 |
| 75 - 80 | 20.7 |
| 80 - 85 | 22.1 |
| 85 - 90 | 23.5 |
| 90 - 95 | 24.9 |
| 95 - 100 | 25.8 |

END OF SECTION